

WHAT IS CLAIMED IS:

1. An image sensing apparatus which senses an object image, and has a zoom function of enlarging/reducing a  
5 sensed image, comprising:

detection means for detecting a zoom speed of the zoom function;

display means for displaying the sensed image;

10 designation means for designating a desired partial region in the sensed image;

compression means for compressing a designated region designated by said designation means and a non-designated region using different characteristics; and

15 control means for controlling the designated region on the basis of the zoom speed detected by said detection means.

2. The apparatus according to claim 1, wherein when the zoom speed detected by said detection means is less  
20 than a predetermined speed, said control means changes the designated region in synchronism with zoom operation by the zoom function.

3. The apparatus according to claim 1, wherein when the zoom speed detected by said detection means is not  
25 less than a predetermined speed, said control means

changes the designated region after completion of zoom operation by the zoom function.

4. The apparatus according to claim 1, wherein when the zoom speed detected by said detection means is less than a predetermined speed, said control means changes the designated region in synchronism with zoom operation by the zoom function, and when the zoom speed detected by said detection means is not less than a predetermined speed, said control means changes the designated region after completion of the zoom operation.

5. The apparatus according to claim 1, wherein when the zoom speed detected by said detection means is not less than a predetermined speed, said control means cancels the designated region during zoom operation by the zoom function, and changes the designated region after completion of the zoom operation.

6. The apparatus according to claim 1, wherein said compression means compresses the designated region at a lower compression ratio than the non-designated region.

7. The apparatus according to claim 1, wherein said compression means includes discrete wavelet transformation.

8. The apparatus according to claim 1, wherein said display means displays the designated and non-designated regions distinct from each other.

9. A control method for an image sensing apparatus which senses an object image, and has a zoom function of enlarging/reducing a sensed image, comprising:

the detection step of detecting a zoom speed of  
5 the zoom function;

the display step of displaying the sensed image;

the designation step of designating a desired  
partial region in the sensed image;

the compression step of compressing a designated  
10 region designated in the designation step and a  
non-designated region using different characteristics;  
and

the control step of controlling the designated  
region on the basis of the zoom speed detected in the  
15 detection step.

10. The method according to claim 9, wherein the  
control step includes the step of changing, when the  
zoom speed detected in the detection step is less than  
a predetermined speed, the designated region in  
20 synchronism with zoom operation by the zoom function.

11. The method according to claim 9, wherein the  
control step includes the step of changing, when the  
zoom speed detected in the detection step is not less  
than a predetermined speed, the designated region after  
25 completion of zoom operation by the zoom function.

12. The method according to claim 9, wherein the control step includes the step of changing, when the zoom speed detected in the detection step is less than a predetermined speed, the designated region in synchronism with zoom operation by the zoom function, and changing, when the zoom speed detected in the detection step is not less than a predetermined speed, the designated region after completion of the zoom operation.

13. The method according to claim 9, wherein the control step includes the step of canceling, when the zoom speed detected in the detection step is not less than a predetermined speed, the designated region during zoom operation by the zoom function, and changing the designated region after completion of the zoom operation.

14. The method according to claim 9, wherein the compression step includes the step of compressing the designated region at a lower compression ratio than the non-designated region.

15. The method according to claim 9, wherein the compression step includes discrete wavelet transformation.

16. The method according to claim 9, wherein the display step includes the step of displaying the

designated and non-designated regions distinct from each other.

17. A computer readable memory that stores a program code for controlling an image sensing apparatus which  
5 senses an object image, and has a zoom function of enlarging/reducing a sensed image, comprising:

a program code of the detection step of detecting a zoom speed of the zoom function;

10 a program code of the display step of displaying the sensed image;

a program code of the designation step of designating a desired partial region in the sensed image;

15 a program code of the compression step of compressing a designated region designated in the designation step and a non-designated region using different characteristics; and

20 a program code of the control step of controlling the designated region on the basis of the zoom speed detected in the detection step.

18. An image sensing apparatus which senses an object image, and has a zoom function of enlarging/reducing a sensed image, comprising:

operation means for executing  
25 enlargement/reduction zoom operation by the zoom function;

display means for displaying the sensed image;  
designation means for designating a desired  
partial region in the sensed image;

compression means for compressing a designated  
5 region designated by said designation means and a  
non-designated region using different characteristics;  
and

control means for controlling the designated  
region on the basis of zoom operation by said operation  
10 means.

19. The apparatus according to claim 18, wherein said  
control means changes the designated region in  
accordance with zoom operation by said operation means.

20. The apparatus according to claim 18, wherein said  
15 control means inhibits the designated region from being  
changed during zoom operation by said operation means,  
and changes the designated region on the basis of  
operation contents of the zoom operation after  
completion of the zoom operation.

20 21. The apparatus according to claim 18, wherein said  
control means cancels region information that pertains  
to the designated region during zoom operation by said  
operation means, and changes the designated region on  
the basis of operation contents of the zoom operation  
25 after completion of the zoom operation.

22. The apparatus according to claim 18, wherein said compression means compresses the designated region at a lower compression ratio than the non-designated region.

23. The apparatus according to claim 18, wherein said  
5 compression means includes discrete wavelet transformation.

24. The apparatus according to claim 18, wherein said display means displays the designated and non-designated regions distinct from each other.

10 25. A control method for an image sensing apparatus which senses an object image, and has a zoom function of enlarging/reducing a sensed image, comprising:

the display step of displaying the sensed image;

the designation step of designating a desired  
15 partial region in the sensed image;

the compression step of compressing a designated region designated in the designation step and a non-designated region using different characteristics; and

20 the control step of controlling the designated region on the basis of enlargement/reduction zoom operation by the zoom function.

26. The method according to claim 25, wherein the control step includes the step of changing the  
25 designated region in accordance with the zoom operation.

27. The method according to claim 25, wherein the control step includes the step of inhibiting the designated region from being changed during the zoom operation, and changing the designated region on the basis of operation contents of the zoom operation after completion of the zoom operation.

28. The method according to claim 25, wherein the control step includes the step of canceling region information that pertains to the designated region during the zoom operation, and changing the designated region on the basis of operation contents of the zoom operation after completion of the zoom operation.

29. The method according to claim 25, wherein the compression step includes the step of compressing the designated region at a lower compression ratio than the non-designated region.

30. The method according to claim 25, wherein the compression step includes discrete wavelet transformation.

31. The method according to claim 25, wherein the display step includes the step of displaying the designated and non-designated regions distinct from each other.

32. A computer readable memory that stores a program code for controlling an image sensing apparatus which



senses an object image, and has a zoom function of enlarging/reducing a sensed image, comprising:

a program code of the display step of displaying the sensed image;

5 a program code of the designation step of designating a desired partial region in the sensed image;

a program code of the compression step of compressing a designated region designated in the  
10 designation step and a non-designated region using different characteristics; and

a program code of the control step of controlling the designated region on the basis of enlargement/reduction zoom operation by the zoom  
15 function.